

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525261

Luminaire Tested: **IFLD-L-SA7A-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525261
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

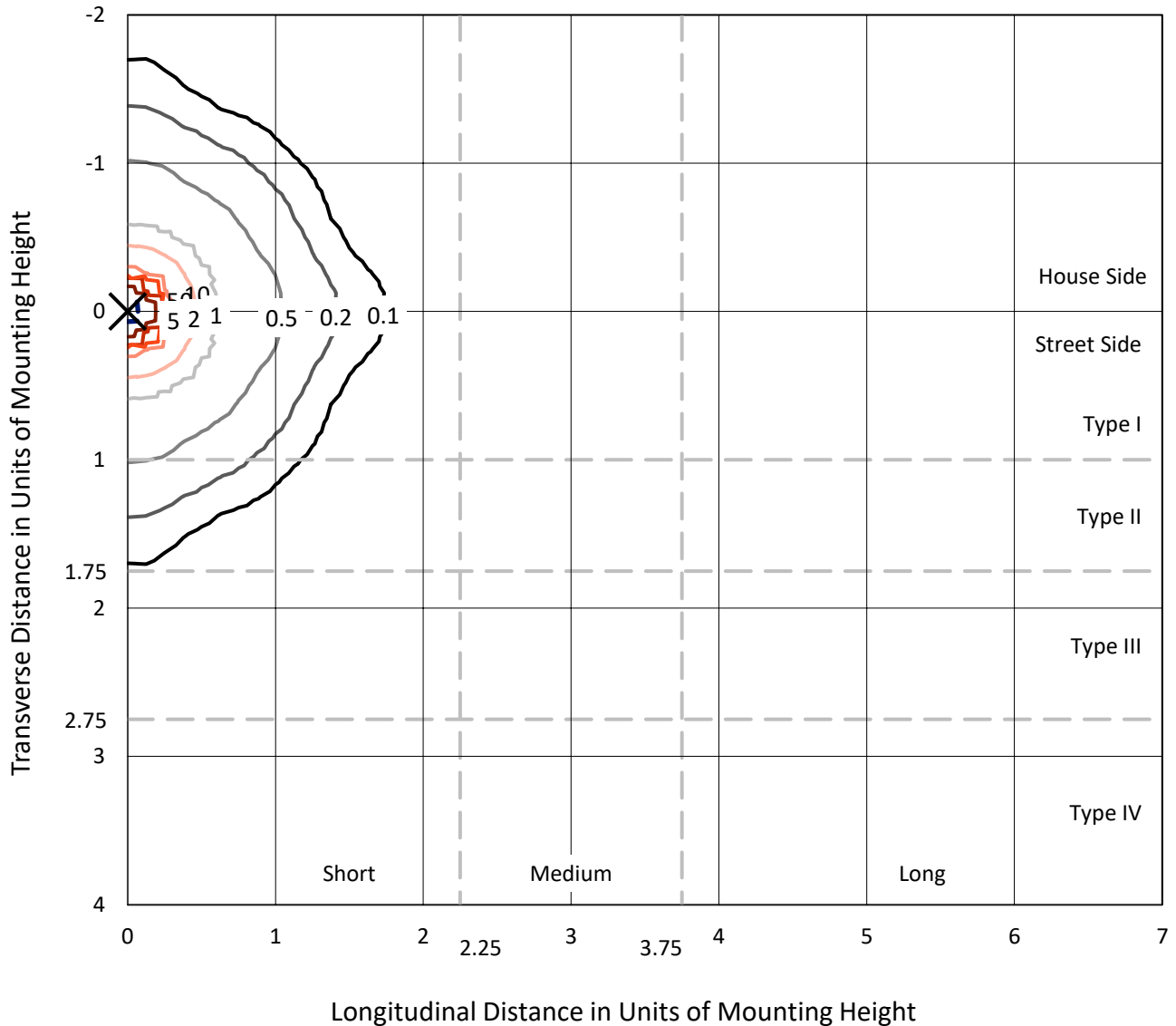
Lumens per Lamp: N/A
Luminaire Lumens: 11434.9 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

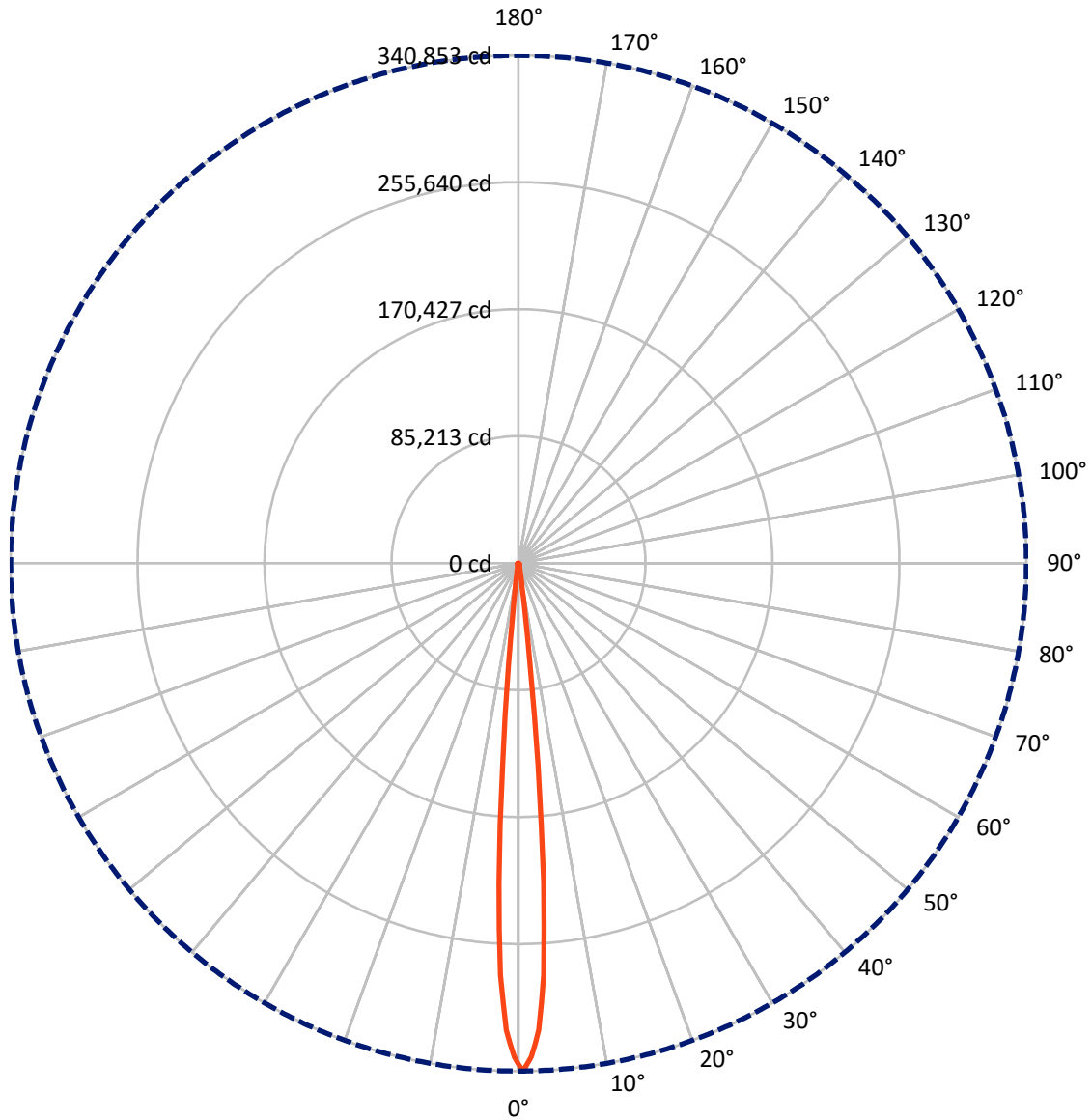
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 852.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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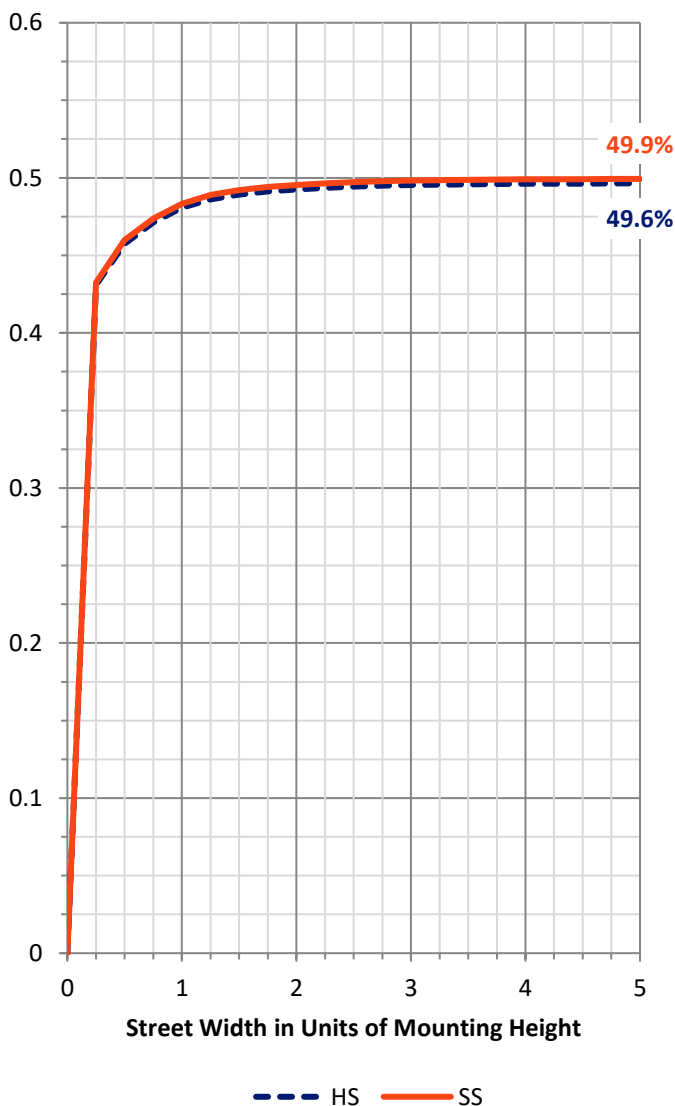
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5717.4	0.0	5717.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5717.4	0.0	5717.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11434.9	0.0	11434.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8781.9	76.8
10°-20°	856.6	7.5
20°-30°	457.6	4.0
30°-40°	377.4	3.3
40°-50°	420.2	3.7
50°-60°	282.6	2.5
60°-70°	180.3	1.6
70°-80°	71.2	0.6
80°-90°	7.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11434.9	100.0
0°-180°	11434.9	100.0

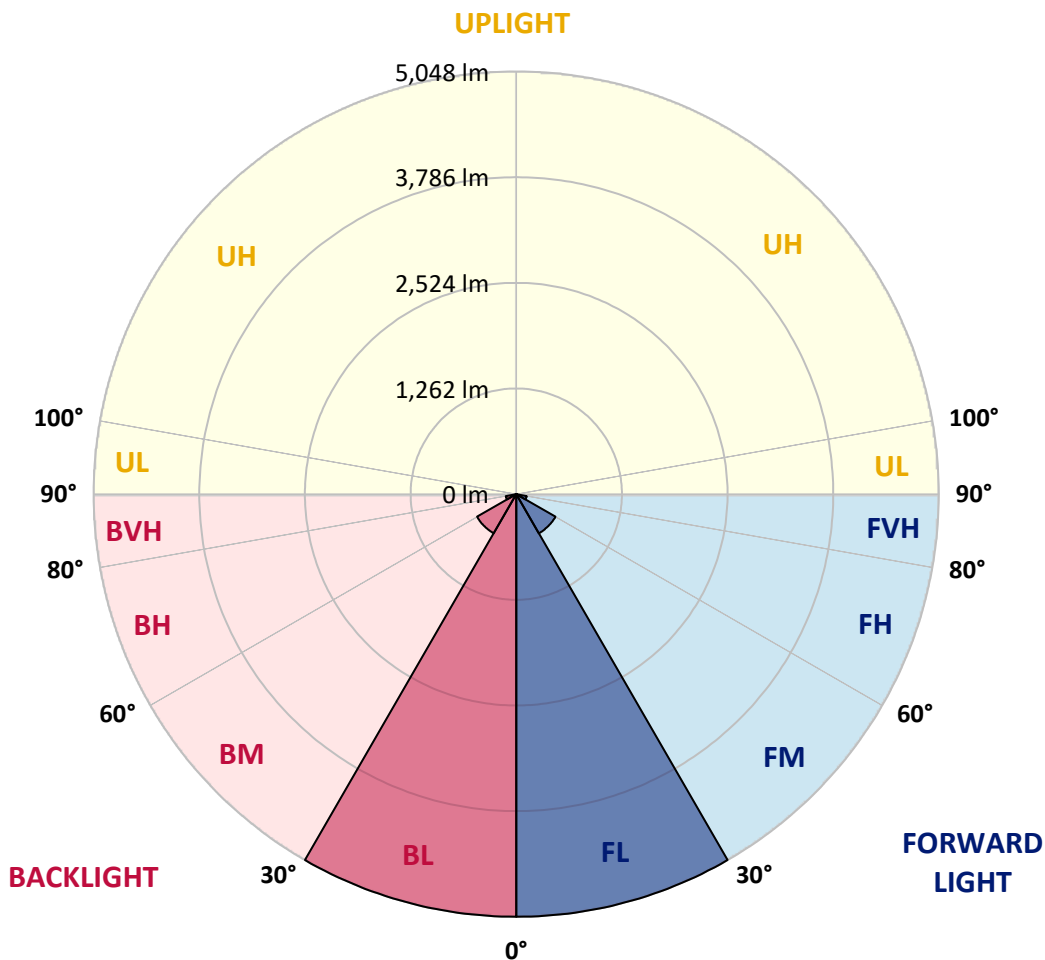


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5048.0	44.1			
FM (30°-60°)	540.1	4.7			
FH (60°-80°)	125.8	1.1			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	5048.0	44.1	B5		
BM (30°-60°)	540.1	4.7	B1/1000		
BH (60°-80°)	125.8	1.1	B1/500		G0/660
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	340853.2	340853.2	340853.2	340853.2	340853.2	340853.2	340853.2	340853.2	340853.2	340853.2
1°	331379.9	331956.2	332060.2	331374.0	329624.3	330037.2	329983.8	330075.8	329903.6	328810.4
2°	313437.5	314290.1	313392.9	311468.0	307481.4	306530.8	303355.3	299811.3	296038.7	292257.1
3°	276812.9	278607.1	277326.8	279382.5	271296.5	270479.6	263801.6	254996.8	246073.1	238842.6
4°	214623.3	217938.5	218378.1	225163.0	218520.7	220597.2	212968.6	200735.7	187385.8	177172.8
5°	136805.3	141427.6	144035.7	150398.8	153458.5	161425.7	157709.4	145431.9	130005.6	118256.8
6°	69123.0	71639.1	78646.8	85642.6	93455.2	104027.6	105459.5	94682.1	82404.6	71128.2
7°	32222.2	33261.9	38205.0	39696.2	48628.8	60098.3	61702.4	55793.9	49318.0	40578.5
8°	16650.2	17054.2	18860.4	19968.4	25178.9	31776.6	32902.4	29183.2	26533.4	22137.0
9°	10254.5	10432.8	11110.1	11359.6	13308.3	16243.3	16641.3	15084.7	14365.8	12847.9
10°	7111.6	7206.7	7524.5	7589.9	8240.5	9205.9	9241.6	8730.6	8742.5	8362.3
12.5°	3790.5	3820.2	3909.3	3918.2	4043.0	4144.0	4120.2	4123.2	4173.7	4123.2
15°	2424.0	2438.9	2492.3	2504.2	2569.6	2605.2	2587.4	2584.4	2602.3	2569.6
17.5°	1728.9	1737.8	1776.4	1809.1	1850.7	1862.6	1856.6	1850.7	1850.7	1821.0
20°	1348.7	1360.5	1387.3	1419.9	1440.7	1461.5	1464.5	1461.5	1452.6	1437.8
22.5°	1146.7	1152.6	1161.5	1176.4	1191.2	1200.1	1206.1	1209.0	1206.1	1200.1
25°	998.1	1004.1	1021.9	1030.8	1030.8	1033.8	1045.7	1051.6	1054.6	1042.7
27.5°	736.7	751.6	778.3	793.2	793.2	799.1	808.0	819.9	831.8	811.0
30°	570.4	582.2	611.9	611.9	609.0	614.9	623.8	641.7	659.5	635.7
32.5°	513.9	513.9	519.9	522.8	522.8	531.7	537.7	552.5	567.4	561.4
35°	537.7	522.8	505.0	505.0	510.9	528.8	531.7	546.6	561.4	582.2
37.5°	781.3	736.7	671.4	659.5	659.5	680.3	671.4	680.3	707.0	784.2
40°	710.0	674.3	635.7	582.2	582.2	611.9	591.2	603.0	665.4	712.9
42.5°	632.7	632.7	591.2	540.7	540.7	555.5	549.6	555.5	626.8	665.4
45°	585.2	585.2	573.3	493.1	505.0	513.9	513.9	513.9	609.0	620.9
47.5°	558.5	558.5	528.8	454.5	469.4	472.3	478.3	472.3	546.6	588.2
50°	499.1	505.0	454.5	401.0	418.9	418.9	427.8	415.9	472.3	540.7
52.5°	430.7	436.7	359.4	317.9	338.6	335.7	347.6	329.7	374.3	469.4
55°	383.2	380.2	297.1	258.4	282.2	279.2	285.2	264.4	303.0	404.0
57.5°	332.7	338.6	243.6	210.9	237.6	231.7	240.6	216.9	249.5	359.4
60°	294.1	303.0	207.9	178.2	205.0	199.0	207.9	181.2	213.9	323.8
62.5°	282.2	282.2	184.2	151.5	178.2	172.3	178.2	151.5	190.1	297.1
65°	335.7	317.9	166.4	124.8	151.5	145.6	151.5	124.8	166.4	285.2
67.5°	445.6	424.8	157.4	98.0	121.8	112.9	121.8	101.0	145.6	267.4
70°	231.7	246.6	157.4	77.2	92.1	92.1	89.1	77.2	121.8	196.1
72.5°	133.7	136.6	121.8	59.4	71.3	77.2	68.3	59.4	89.1	145.6
75°	74.3	83.2	77.2	44.6	53.5	59.4	50.5	44.6	62.4	104.0
77.5°	44.6	50.5	44.6	29.7	35.6	32.7	35.6	29.7	41.6	68.3
80°	23.8	23.8	23.8	17.8	17.8	20.8	20.8	17.8	23.8	35.6
82.5°	8.9	8.9	8.9	5.9	8.9	8.9	8.9	11.9	11.9	14.9
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
340853.2
329888.7
294434.5
241584.5
179540.4
119762.9
71971.8
41636.0
22734.0
13177.6
8537.5
4179.6
2593.3
1829.9
1440.7
1203.1
1042.7
808.0
629.8
561.4
594.1
822.9
757.5
668.4
617.9
579.3
534.7
457.5
398.1
350.5
314.9
294.1
285.2
264.4
193.1
142.6
92.1
50.5
29.7
14.9
3.0
3.0
0.0

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